BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE PROJECT: ADDITIONAL AND ALTERATION OF SCHOOL BUILDINGS AT KANAKANAGARA, ALLALASANDRA AND AMBEDKAR NAGARA IN WARD NO - 04

2. BUILDING

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
6	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the exavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. Specification No. KBS 2.1(b) / 2.3.5 Pg No 6,Item No 2.4								
	Ambedkar Colony Anganawadi								
	Footings								
	C	Cum	6	4.00	1.40	1.50	**50.40**		
	SSM Footing								
	Long direction	Cum	2	7.70	0.90	0.75	**10.40**		
		Cum	1	2.40	0.90	0.75	**1.62**		
	Short direction	Cum	3	4.99	0.90	0.75	**10.11**		
	Deduction								
	C	Cum	-6	4.00	1.40	0.75	**-25.20**		
	Kanakanagara Govt school								
	Footings								
	C1	Cum	9	3.50	2.25	1.50	**106.31**		
	C2	Cum	4	2.30	2.10	1.50	**28.98**		
	CF1	Cum	3	4.30	3.00	1.50	**57.98**		
	CF2	Cum	1	5.90	2.20	1.50	**19.47**		
	SSM Footing								
	Long direction	Cum	2	26.58	0.90	0.75	**35.88**		
		Cum	1	21.80	0.90	0.75	**14.72**		
	Short direction	Cum	5	5.00	0.90	0.75	**16.88**		
		Cum	5	1.80	0.90	0.75	**6.08**		
	Deduction								
	C1	Cum	-9	3.50	2.25	0.75	**-53.16**		
	C2	Cum	-4	2.30	2.10	0.75	**-14.49**		
	CF1	Cum	-3	4.30	3.00	0.75	**-28.99**		
	CF2	Cum	-1	5.90	2.20	0.75	**-9.74**		
	Basic rate							449.00	
	Area weightage 8%							35.92	
	Total						**227.25**	**484.92**	**110197.92**
7	KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. Specification No. KBS Pg No 7, Item No 2.15								
	Ambedkar Colony Anganawadi								
	Footings								
	C	Cum	6	4.00	1.40	0.10	**3.36**		
	Kanakanagara Govt school								
	Footings								
	C1	Cum	9	3.50	2.25	0.10	**7.09**		
	C2	Cum	4	2.30	2.10	0.10	**1.93**		
	CF1	Cum	3	4.30	3.00	0.10	**3.87**		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	CF2	Cum	1	5.90	2.20	0.10	1.30		
	Basic rate							2429.00	
	Area weightage 8%							194.32	
	Total						**17.54**	**2623.32**	**46020.90**
8	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2.(P.No.13, I.No. 4.6 of PWD SR 2018-19)								
	Below SSM Footing								
	Ambedkar Colony Anganawadi								
	Footings								
	C	Cum	6	4.00	1.40	0.15	5.04		
	Long direction	Cum	2	7.70	0.90	0.15	2.08		
		Cum	1	2.40	0.90	0.15	0.32		
	Short direction	Cum	3	4.99	0.90	0.15	2.02		
	Kanakanagara Govt school								
	Footings								
	C1	Cum	9	3.50	2.25	0.15	10.63		
	C2	Cum	4	2.30	2.10	0.15	2.90		
	CF1	Cum	3	4.30	3.00	0.15	5.80		
	CF2	Cum	1	5.90	2.20	0.15	1.95		
	SSM Footing								
	Long direction	Cum	2	26.58	0.90	0.15	7.18		
		Cum	1	21.80	0.90	0.15	2.94		
	Short direction	Cum	5	5.00	0.90	0.15	3.38		
		Cum	5	1.80	0.90	0.15	1.22		
	Deduction								
	C1	Cum	-17	0.30	0.45	0.15	-0.34		
	C2	Cum	-4	0.30	0.30	0.15	-0.05		
	Basic rate							5919.71	
	Area weightage 8%							473.5768	
	Total						**45.05**	**6393.29**	**288028.37**
9	KSRB 4-1.5 : Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery,curing complete as per specifications.Specification No. KBS 4.1, 4.2.(P.No.13, I.No.4.5 of PWD SR 2018-19)								
	Above SSM Footing								
	Ambedkar Colony Anganawadi								
	Long direction	Cum	2	7.70	0.90	0.15	2.08		
		Cum	1	2.40	0.90	0.15	0.32		
	Short direction	Cum	3	4.99	0.90	0.15	2.02		
	Plinth Area								
	Long direction	Cum	2	7.10	4.70	0.15	10.01		
	Kanakanagara Govt school								
	Long direction	Cum	2	26.58	0.90	0.15	7.18		
		Cum	1	21.80	0.90	0.15	2.94		
	Short direction	Cum	5	5.00	0.90	0.15	3.38		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
		Cum	5	1.80	0.90	0.15	1.22		
	Plinth area								
	Long direction	Cum	2	24.98	5.00	0.15	37.47		
	Short direction	Cum	2	21.80	1.80	0.15	11.77		
	Deduction								
	C1	Cum	-17	0.30	0.45	0.15	-0.34		
	C2	Cum	-4	0.30	0.30	0.15	-0.05		
	Basic rate							5950.14	
	Area weightage 8%							476.0112	
	Total						**77.99**	**6426.15**	**501185.81**
10	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation cement mortar 1:6, stone hammerddressed in courses not less than 20 cms high, bond stones at 2m apart in each course including cost of materials, labour, curing completeas per specifications.KBS 5.1.13 Pg No 25 item No 5.6								
	SSM @ Foudation								
	Ambedkar Colony Anganawadi								
	Long direction	Cum	2	7.70	0.60	0.60	5.54		
		Cum	1	2.40	0.60	0.60	0.86		
	Short direction	Cum	3	4.99	0.60	0.60	5.39		
	Deduction								
	C	Cum	-6	0.20	0.45	0.60	-0.32		
	Kanakanagara Govt school								
	Long direction	Cum	2	26.58	0.60	0.60	19.14		
		Cum	1	21.80	0.60	0.60	7.85		
	Short direction	Cum	5	5.00	0.60	0.60	9.00		
		Cum	5	1.80	0.60	0.60	3.24		
	Deduction								
	C1	Cum	-17	0.30	0.45	0.60	-1.38		
	C2	Cum	-4	0.30	0.30	0.60	-0.22		
	Basic rate							4596.00	
	Area weightage 8%							367.68	
	Total						**49.11**	**4963.68**	**243770.49**
11	KSRB 2.3 : Filling available excavated earth(excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. Specification. No. KBS 2.9, Pg No.7, Item No.2.10								
	Filling Available of Excavated Earth								
	Earth Work Excavation	Cum					227.25		
	PCC for Footing	Cum					-45.05		
	Filling in foundation with granite / trap broken metal	Cum					-17.54		
	SSM Footing	Cum					-49.11		
	Footing Concrete Quantity	Cum					54.10		
	Basic rate							201.00	
	Area weightage 8%							16.08	
	Total						**169.65**	**217.08**	**36826.63**
12	Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete as per the direction of the Engineer-in-charge. Pg No 136,Item No17.4								
	Excavated Earth	Cum					227.25		
	Filling Available of Excavated Earth						-169.65		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Loading and unloading item no.17.1 KSRRB M 100-1	Cum						57.00	
	Basic rate for haulage of materials as per item No. 17.4 KSRRB : M 100 - 4.1	t.km	For surface roads exluding Basic rate loading & unloading					2.00	
	Average Weight of earth (1.28 Tonne/cum.)	For2Kms =2x1.28x2						5.12	
	Basic rate							62.12	
	Area weightage 8%							4.97	
	Total						57.60	67.09	3864.65
13	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2, Pg No 16, Item No 4.28								
	Ambedkar Colony Anganawadi								
	Footings								
	C	Sqm	6	10.80		0.45	29.16		
	Kanakanagara Govt school								
	Footings								
	C1	Sqm	9	11.50		0.55	56.93		
	C2	Sqm	4	8.80		0.40	14.08		
	CF1	Sqm	3	14.59		0.40	17.51		
	CF2	Sqm	1	16.20		0.40	6.48		
	Combined Footing beam								
	CF1	Sqm	1	10.39		0.35	3.64		
	CF2	Sqm	1	13.60		0.35	4.76		
	Basic rate							258.00	
	Area weightage 8%							20.64	
	Total						132.55	278.64	36933.59
14	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness , including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2, Pg No 16, Item No 4.31								
	Ambedkar Colony Anganawadi								
	Plinth beam								
	Long direction	Sqm	4	7.70		0.45	13.86		
	Short direction	Sqm	6	3.70		0.45	9.99		
	Kanakanagara Govt school								
	Plinth beam								
	Long direction	Sqm	4	26.58		0.45	47.84		
	Short direction	Sqm	16	5.00		0.45	36.00		
		Sqm	8	1.80		0.45	6.48		
	Basic rate							358.00	
	Area weightage 8%							28.64	
	Total						114.18	386.64	44144.93

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
15	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc. and Removal of form Work for columns, pillars, piers, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2, Pg No 16, Item No 4.32								
	Ground Floor								
	Ambedkar Colony Anganawadi								
	Column upto Plinth beam bottom								
	C	Sqm	6	1.30		0.90	7.02		
	Column upto beam bottom								
	C	Sqm	6	1.30		3.00	23.40		
	Kanakanagara Govt school								
	Column upto Plinth beam bottom								
	C1	Sqm	9	1.50		0.80	10.80		
	C2	Sqm	4	1.50		0.80	4.80		
	CF1								
	C1	Sqm	3	1.50		0.95	4.28		
	C2	Sqm	3	1.20		0.95	3.42		
	CF2								
	C1	Sqm	1	1.50		0.95	1.43		
	C2	Sqm	1	1.20		0.95	1.14		
	Column upto beam bottom								
	C1	Sqm	17	1.50		3.00	76.50		
	C2	Sqm	4	1.20		3.00	14.40		
	First Floor								
	Ambedkar Colony Anganawadi								
	Column upto beam bottom								
	C	Sqm	6	1.30		2.40	18.72		
	Allasandra Anganawadi								
	Column upto beam bottom								
	C1	Sqm	2	1.20		3.00	7.20		
	C2	Sqm	6	1.26		3.00	22.68		
	Basic rate							456.00	
	Area weightage 8%							36.48	
	Total						**195.78**	**492.48**	**96417.73**
16	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended floors, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons for heights more than 3.50m from ground level. - 0 to 5 mtrs.Specification No. KBS 4.6.2 page no.16 item no 4.29.2								
	Ground Floor								
	Ambedkar Colony Anganawadi								
	Slab								
	Anganawadi	Sqm	1	6.65	5.39		35.89		
	Kanakanagara Govt school								
	Slab								
	Classroom and Anganawadi	Sqm	1	21.80	7.20		156.96		
	Room	Sqm	1	4.78	6.45		30.83		
	First Floor								
	Ambedkar Colony Anganawadi								
	Slab								
	Room	Sqm	1	5.65	5.39		30.48		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Allasandra Anganawadi								
	Slab								
	Rooms	Sqm	1	11.85	5.40		63.99		
	Basic rate							400.00	
	Area weightage 8%							32.00	
	Total						**318.15**	**432.00**	**137440.27**
17	KSRB 4-6.9 : Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floors including cost of all materials,labour complete as per specifications. Specifications No. KBS 4.6.2, Pg No 17,Item No 4.36								
	Ground Floor								
	Ambedkar Colony Anganawadi								
	Slab Edges								
	Long direction	Sqm	2	6.65		0.15	2.00		
	Short direction	Sqm	2	5.39		0.15	1.62		
	Kanakanagara Govt school								
	Slab Edges								
	Long direction	Sqm	2	21.80		0.15	6.54		
		Sqm	2	7.20		0.15	2.16		
	Short direction	Sqm	2	4.78		0.15	1.43		
		Sqm	2	6.45		0.15	1.94		
	First Floor								
	Ambedkar Colony Anganawadi								
	Slab Edges								
	Long direction	Sqm	2	5.65		0.15	1.70		
	Short direction	Sqm	2	5.39		0.15	1.62		
	Allasandra Anganawadi								
	Slab Edges								
	Long direction	Sqm	2	11.85		0.15	3.56		
	Short direction	Sqm	2	5.40		0.15	1.62		
	Basic rate							755.00	
	Area weightage 8%							60.40	
	Total						**24.17**	**815.40**	**19709.52**
18	KSRB 4-6.7 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specificaitons.Specification No. KBS 4.6.2, Pg No 17, Item No 4.34								
	Ground Floor								
	Ambedkar Colony Anganawadi								
	Beams								
	Long direction	Sqm	6	7.70		0.45	20.79		
	Short direction	Sqm	6	4.99		0.45	13.48		
	Lintel beam throughout								
	Long direction	Sqm	4	6.65		0.20	5.32		
	Short direction	Sqm	2	4.99		0.20	2.00		
	Cut lintel								
	W	Sqm	2	1.50		0.20	0.60		
	Kanakanagara Govt school								
	Beams								
	Long direction	Sqm	4	26.58		0.45	47.84		
		Sqm	2	21.80		0.45	19.62		
	Short direction	Sqm	16	5.00		0.45	36.00		
		Sqm	14	1.80		0.45	11.34		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Lintel beam throughout								
	Long direction	Sqm	4	26.58		0.20	21.26		
	Short direction	Sqm	2	5.00		0.20	2.00		
	Cut lintel								
	D1	Sqm	2	0.90		0.20	0.36		
	D2	Sqm	2	0.75		0.20	0.30		
	First Floor								
	Ambedkar Colony Anganawadi								
	Beams								
	Long direction	Sqm	6	7.70		0.45	20.79		
	Short direction	Sqm	6	4.99		0.45	13.48		
	Lintel beam throughout								
	Long direction	Sqm	4	5.65		0.20	4.52		
	Cut lintel								
	D	Sqm	2	1.20		0.20	0.48		
	Allasandra Anganawadi								
	Beams								
	Long direction	Sqm	4	11.85		0.45	21.33		
	Short direction	Sqm	8	4.80		0.45	17.28		
	Lintel beam throughout								
	Long direction	Sqm	2	10.93		0.20	4.37		
		Sqm	2	10.89		0.20	4.36		
	Short direction	Sqm	4	4.92		0.20	3.94		
	Basic rate							292.00	
	Area weightage 8%							23.36	
	Total						**271.47**	**315.36**	**85611.76**
19	KSRB 4-6.11 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for Stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2, Pg No 17, Item No 4.38								
	Ground Floor								
	Ambedkar Colony Anganawadi								
	Waist Slab Flight 1	Sqm	1	3.42	1.10		3.76		
	Waist Slab Sides	Sqm	2	3.42		0.15	1.03		
	Waist Slab Flight 2	Sqm	1	4.03	0.90		3.63		
	Waist Slab Sides	Sqm	2	4.03		0.15	1.21		
	Rise and Tread	Sqm	20	0.90		0.15	2.70		
	Landing	Sqm	1	1.85	1.10		2.04		
	Landing sides	Sqm	2	1.85		0.15	0.56		
	Staircase beam	Sqm	1	4.10		0.15	0.62		
	First Floor								
	Waist Slab Flight 1	Sqm	1	3.42	0.90		3.08		
	Waist Slab Sides	Sqm	2	3.42		0.15	1.03		
	Waist Slab Flight 2	Sqm	1	4.03	0.90		3.63		
	Waist Slab Sides	Sqm	2	4.03		0.15	1.21		
	Rise and Tread	Sqm	20	0.90		0.15	2.70		
	Landing	Sqm	1	1.85	1.10		2.04		
	Landing sides	Sqm	2	1.85		0.15	0.56		
	Staircase beam	Sqm	1	4.10		0.30	1.23		
	Allasandra Anganawadi								
	Waist Slab Flight 1	Sqm	1	5.43	0.75		4.07		
	Waist Slab Sides	Sqm	2	5.43		0.15	1.63		
	Waist Slab Flight 2	Sqm	1	2.41	0.75		1.81		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Waist Slab Sides	Sqm	2	2.41		0.15	0.72		
	Rise and Tread	Sqm	23	0.75		0.15	2.59		
	Landing	Sqm	1	1.65	1.70		2.81		
	Landing sides	Sqm	2	1.65		0.15	0.50		
	Staircase beam	Sqm	1	3.90		0.30	1.17		
	Basic rate							520.00	
	Area weightage 8%							41.60	
	Total						**46.28**	**561.60**	**25990.01**
20	KSRB 4-6.10 :Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc. , including edges including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2 Pg No 17,Item No 4.37								
	Ground floor								
	Ambedkar Colony Anganawadi								
	Chajja (W)	Sqm	3	1.50	0.60		2.70		
	Chajja sides(W)	Sqm	3	2.70		0.10	0.81		
	Kanakanagara Govt school								
	Chajja (W)	Sqm	8	1.50	0.60		7.20		
	Chajja sides(W)	Sqm	8	2.70		0.10	2.16		
	First Floor								
	Chajja (W)	Sqm	2	1.50	0.60		1.80		
	Chajja sides(W)	Sqm	2	2.70		0.10	0.54		
	Allasandra Anganawadi								
	Chajja (W)	Sqm	5	1.50	0.60		4.50		
	Chajja sides(W)	Sqm	5	2.70		0.10	1.35		
	Basic rate							323.00	
	Area weightage 8%							25.84	
	Total						**21.06**	**348.84**	**7346.57**
21	KSRB 4.2.1 : Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6, Pg No. 14, Item No. 4.10								
	Ambedkar Colony Anganawadi								
	Footings								
	C	Cum	6	4.00	1.40	0.45	**15.12**		
	Plinth beam								
	Long direction	Cum	2	7.70	0.20	0.45	**1.39**		
	Short direction	Cum	3	3.70	0.20	0.45	**1.00**		
	Column upto Plinth beam bottom								
	C	Cum	6	0.20	0.45	0.90	**0.49**		
	Kanakanagara Govt school								
	Footings								
	C1	Cum	9	3.50	2.25	0.55	**38.98**		
	C2	Cum	4	2.30	2.10	0.40	**7.73**		
	CF1	Cum	3	4.30	3.00	0.40	**15.46**		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	CF2	Cum	1	5.90	2.20	0.40	**5.19**		
	Combined Footing beam								
	CF1	Cum	1	4.30	0.90	0.35	**1.35**		
	CF2	Cum	1	5.90	0.90	0.35	**1.86**		
	Plinth beam								
	Long direction	Cum	2	26.58	0.20	0.45	**4.78**		
		Cum	1	21.80	0.20	0.45	**1.96**		
	Short direction	Cum	8	5.00	0.20	0.45	**3.60**		
		Cum	4	1.80	0.20	0.45	**0.65**		
	Column upto Plinth beam bottom								
	C1	Cum	9	0.30	0.45	0.80	**0.97**		
	C2	Cum	4	0.30	0.45	0.80	**0.43**		
	CF1								
	C1	Cum	3	0.30	0.45	0.95	**0.38**		
	C2	Cum	3	0.30	0.30	0.95	**0.26**		
	CF2								
	C1	Cum	1	0.30	0.45	0.95	**0.13**		
	C2	Cum	1	0.30	0.30	0.95	**0.09**		
	Basic Rrate							6517.09	
	Area weightage 8%							521.37	
	Total						**101.82**	**7038.46**	**716650.47**
22	KSRB 4.2.8 : Providing and laying in position reinforced cementconcrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum andfine aggregtes @ 0.47cum,with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated fo all works in ground Floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thivck ness) including attached plasters ,columns, pillars,posts,struts.butters,string or lacing courses ,parapets,coping,bed blocks,anchor blocks ,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing, complete as per specifications. No. KBS 4.1, 4.6, Pg No. 14, Item No. 4.12								
	Ground Floor								
	Ambedkar Colony Anganawadi								
	Column upto beam bottom								
	C	Cum	6	0.20	0.45	3.00	**1.62**		
	Lintel beam throughout								
	Long direction	Cum	2	6.65	0.20	0.20	**0.53**		
	Short direction	Cum	1	4.99	0.20	0.20	**0.20**		
	Cut lintel								
	W	Cum	1	1.50	0.20	0.20	**0.06**		
	Staircase								
	Waist Slab Flight 1	Cum	1	3.42	0.90	0.15	**0.46**		
	Waist Slab Flight 2	Cum	1	4.03	0.90	0.15	**0.54**		
	Rise and Tread	Cum	20	0.90		0.02	**0.41**		
			Triangular area=0.5*0.3*0.15=0.0225						
	Landing	Cum	1	1.85	1.10	0.15	**0.31**		
	Stair Case beam	Cum	1	1.85	0.20	0.30	**0.11**		
	Basic rate							6750.09	
	Area weightage 8%							540.01	
	Total						**4.24**	**7290.10**	**30903.31**

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Kanakanagara Govt school								
	Column upto beam bottom								
	C1	Cum	17	0.30	0.45	3.00	**6.89**		
	C2	Cum	4	0.30	0.30	3.00	**1.08**		
	Lintel beam throughout								
	Long direction	Cum	2	26.58	0.20	0.20	**2.13**		
	Short direction	Cum	1	5.00	0.20	0.20	**0.20**		
	Cut lintel								
	D1	Cum	1	0.90	0.20	0.20	**0.04**		
	D2	Cum	1	0.75	0.20	0.20	**0.03**		
	First Floor								
	Ambedkar Colony Anganawadi								
	Column upto beam bottom								
	C	Cum	6	0.20	0.45	2.40	**1.30**		
	Lintel beam throughout								
	Long direction	Cum	2	5.65	0.20	0.20	**0.45**		
	Cut lintel								
	D	Cum	1	1.20	0.20	0.20	**0.05**		
	Staircase								
	Waist Slab Flight 1	Cum	1	3.42	0.90	0.15	**0.46**		
	Waist Slab Flight 2	Cum	1	4.03	0.90	0.15	**0.54**		
	Rise and Tread	Cum	20	0.90		0.02	**0.41**		
			Triangular area=0.5*0.3*0.15=0.0225						
	Landing	Cum	1	1.85	1.10	0.15	**0.31**		
	Stair Case beam	Cum	1	1.85	0.20	0.30	**0.11**		
	Allasandra Anganawadi								
	Column upto beam bottom								
	C1	Cum	2	0.35	0.25	3.00	**0.53**		
	C2	Cum	6	0.40	0.23	3.00	**1.66**		
	Lintel beam throughout								
	Long direction	Cum	1	10.93	0.20	0.20	**0.44**		
		Cum	1	10.89	0.20	0.20	**0.44**		
	Short direction	Cum	2	4.92	0.20	0.20	**0.39**		
	Staircase								
	Waist Slab Flight 1	Cum	1	5.43	0.75	0.15	**0.61**		
	Waist Slab Flight 2	Cum	1	2.41	0.75	0.15	**0.27**		
	Rise and Tread	Cum	23	0.75		0.02	**0.39**		
				Triangular area=0.5*0.3*0.15=0.022					
	Landing	Cum	1	1.65	1.70	0.15	**0.42**		
	Staircase beam	Cum	1	1.65	0..3	0.30	**0.50**		
	Basic rate							6750.09	
	Add lift charges for First Floor							60.00	
	sub total							6810.09	
	Area weightage 8%							544.81	
	Total						**9.26**	**7354.90**	**68078.95**

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
23	Providing and laying cement concrete using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) for R.C.C works laid in 15 cms thick layers and well compacted including vibrating, curing, etc for all super Structure works with all lead and Lift etc., complete (exclusive of cost of steel and fabrication charges) Ready mixed cement for concrete with M-25. Pg No.19 Item No.4.49.2								
	Ground Floor								
	Ambedkar Colony Anganawadi								
	Slab								
	Anganawadi	Cum	1	6.65	5.39	0.15	**5.38**		
	Beams								
	Long direction	Cum	3	7.70	0.20	0.45	**2.08**		
	Short direction	Cum	3	4.99	0.20	0.45	**1.35**		
	Kanakanagara Govt school								
	Slab								
	Classroom and Anganawadi	Cum	1	21.80	7.20	0.15	**23.54**		
	Room	Cum	1	4.78	6.45	0.15	**4.62**		
	Beams								
	Long direction	Cum	2	26.58	0.30	0.45	**7.18**		
		Cum	1	21.80	0.30	0.45	**2.94**		
	Short direction	Cum	8	5.00	0.30	0.45	**5.40**		
		Cum	7	1.80	0.30	0.45	**1.70**		
	First Floor								
	Ambedkar Colony Anganawadi								
	Slab								
	Room	Cum	1	5.65	5.39	0.15	**4.57**		
	Beams								
	Long direction	Cum	3	7.70	0.20	0.45	**2.08**		
	Short direction	Cum	3	4.99	0.20	0.45	**1.35**		
	Allasandra Anganawadi								
	Slab								
	Rooms	Cum	1	11.85	5.40	0.15	**9.60**		
	Beams								
	Long direction	Cum	2	11.85	0.30	0.45	**3.20**		
	Short direction	Cum	4	4.80	0.30	0.45	**2.59**		
	Basic rate							6202.09	
	Area weightage 8%							496.17	
	Total						**77.59**	**6698.26**	**519714.07**
24	KSRB 4.2.11 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @0.5865cum and fine aggregtes @ 0.391cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 8.5 cms. average thickness, upto First Floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specifications. Specification No. KBS 4.1, 4.6 Pg No.15 Item no.4.20								
	Ground Floor								
	Ambedkar Colony Anganawadi								
	Chajja (W)	Sqm	3	1.50	0.60		2.70		
	Kanakanagara Govt school								
	Chajja (W)	Sqm	8	1.50	0.60		7.20		
	Basic rate							496.00	
	Area weightage 8%							39.68	
	Total						**9.90**	**535.68**	**5303.23**

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	First Floor								
	Ambedkar Colony Anganawadi								
	Chajja (W)	Sqm	2	1.50	0.60		1.8		
	Allasandra Anganawadi								
	Chajja (W)	Sqm	5	1.50	0.60		4.50		
	Basic rate							496.00	
	Add lift charges for First Floor							5.00	
	sub total							501.00	
	Area weightage 8%							40.08	
	Total								
25	KSRB 4.9.2 : Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 Pg No.18 Item No.4.46.2						**6.30**	**541.08**	**3408.80**
	Ground Floor								
	Isolated Footing	Cum	Concrete Quantity				61.83		
		kg	Steel assumed 105 Kg/Cum of Concrete				6492.1		
		tonne					**6.5**		
	Combined Footing	Cum	Concrete Quantity				23.87		
		kg	Steel assumed 120 Kg/Cum of Concrete				2863.9		
		tonne					**2.9**		
	Column	Cum	Concrete Quantity				12.33		
		kg	Steel assumed 220 Kg/Cum of Concrete				2712.60		
		tonne					**2.71**		
	Plinth beam	Cum	Concrete Quantity				13.38		
		kg	Steel assumed 125 Kg/Cum of Concrete				1672.45		
		tonne					**1.67**		
	Staircase	Cum	Concrete Quantity				1.83		
		kg	Steel assumed 125 Kg/Cum of Concrete				228.38		
		tonne					**0.23**		
	Chajja	Cum	Concrete Quantity				0.99		
		kg	Steel assumed 100 Kg/Cum of Concrete				99.00		
		tonne					**0.10**		
	Lintel	Cum	Concrete Quantity				3.18		
		kg	Steel assumed 100 Kg/Cum of Concrete				318.45		
		tonne					**0.32**		
	Beam	Cum	Concrete Quantity				20.65		
		kg	Steel assumed 150 Kg/Cum of Concrete				3097.2		
		tonne					**3.10**		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Roof Slab	Cum	Concrete Quantity				33.55		
		kg	Steel assumed 125 Kg/Cum of Concrete				4194.1		
		tonne					**4.19**		
	Basic rate							87417.00	
	Area weightage 8%							6993.36	
	Total						**21.68**	**94410.4**	**2046635.38**
	First Floor								
	Column	Cum	Concrete Quantity				3.48		
		kg	Steel assumed 220 Kg/Cum of Concrete				764.94		
		tonne					**0.76**		
	Lintel	Cum	Concrete Quantity				1.77		
		kg	Steel assumed 100 Kg/Cum of Concrete				176.64		
		tonne					**0.18**		
	Beam	Cum	Concrete Quantity				9.22		
		kg	Steel assumed 150 Kg/Cum of Concrete				1382.83		
		tonne					**1.38**		
	Roof Slab	Cum	Concrete Quantity				14.17		
		kg	Steel assumed 125 Kg/Cum of Concrete				1771.2		
		tonne					**1.77**		
	Chajja	Cum	Concrete Quantity				0.63		
		kg	Steel assumed 100 Kg/Cum of Concrete				63.00		
		tonne					**0.06**		
	Staircase	Cum	Concrete Quantity				4.01		
		kg	Steel assumed 125 Kg/Cum of Concrete				501.61		
		tonne					**0.50**		
	Basic rate							87417.00	
	Add lift charges for First Floor							748.00	
	sub total							88165.0	
	Area weightage 8%							7053.20	
	Total						**4.66**	**95218.2**	**443741.64**
26	KSRB 5-14.1: Providing and constructing load bearing wall with solid concrete blocks of size 400X200X200mm having block density not less than 1800kg/m3 having a minimum average compressive strength 5.00N/mm2 confirming to IS 2185 (part 1) :2005 and constructed with cement mortar 1:4,as per IS 2572:2005 including cost of materials, labour charges, scaffolding, curing, hire charges of machinaries etc., complete as per specifications. KBS No.5.4, Pg No. 27 Item No. 5.27.1								
	Ground Floor								
	Ambedkar Colony Anganawadi								
	Walls								
	Long direction	Sqm	2	6.65		3.00	39.92		
		Sqm	1	2.40		3.00	7.20		
	Short direction	Sqm	3	5.00		3.00	45.00		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Deduction								
	D	Sqm	-1	1.20		2.10	-2.52		
	D1	Sqm	-1	0.90		2.10	-1.89		
	D2	Sqm	-1	0.75		2.10	-1.58		
	W	Sqm	-3	1.50		1.50	-6.75		
	V	Sqm	-1	0.60		0.75	-0.45		
	Columns	Sqm	-3	0.20		2.40	-1.44		
	Lintel beam throughout								
	Long direction	Sqm	-2	6.65		0.20	-2.66		
	Short direction	Sqm	-1	4.99		0.20	-1.00		
	Cut lintel								
	W	Sqm	-1	1.50		0.20	-0.30		
	Kanakanagara Govt school								
	Walls								
	Long direction	Sqm	2	26.58		3.00	159.48		
		Sqm	2	2.60		3.00	15.60		
	Short direction	Sqm	5	5.00		3.00	75.00		
		Sqm	1	2.40		3.00	7.20		
		Sqm	1	1.90		3.00	5.70		
		Sqm	1	1.05		3.00	3.15		
	Deduction								
	D	Sqm	-4	1.20		2.10	-10.08		
	D1	Sqm	1	0.90		2.10	1.89		
	D2	Sqm	-1	0.75		2.10	-1.58		
	W	Sqm	-11	1.50		1.50	-24.75		
	V	Sqm	-1	0.60		0.75	-0.45		
	C	Sqm	-16	0.30		3.00	-14.40		
	Lintel beam throughout								
	Long direction	Sqm	-4	26.58		0.20	-21.26		
	Short direction	Sqm	-2	5.00		0.20	-2.00		
	Cut lintel								
	D1	Sqm	-2	0.90		0.20	-0.36		
	D2	Sqm	-2	0.75		0.20	-0.30		
	Basic rate							912.00	
	Area weightage 8%							72.96	
	Total						**266.38**	**984.96**	**262373.25**
	First Floor								
	Ambedkar Colony Anganawadi								
	Walls								
	Long direction	Sqm	2	5.65		2.55	28.82		
		Sqm	1	1.85		1.50	2.78		
	Short direction	Sqm	2	5.00		2.55	25.50		
		Sqm	1	1.29		1.50	1.94		
	Deduction								
	D	Sqm	-1	1.20		2.10	-2.52		
	W	Sqm	-2	1.50		1.50	-4.50		
	Columns	Sqm	-4	0.20		2.40	-1.92		
	Lintel beam throughout								
	Long direction	Sqm	-2	5.65		0.20	-2.26		
	Cut lintel								
	D	Sqm	-1	1.20		0.20	-0.24		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Allasandra Anganawadi								
	Walls								
	Long direction	Sqm	2	11.85		3.00	71.10		
	Short direction	Sqm	3	5.00		3.00	45.00		
	Deduction								
	D	Sqm	-2	1.20		2.10	-5.04		
	W	Sqm	-5	1.50		1.50	-11.25		
	Columns								
	C1	Sqm	-2	0.35		3.00	-2.10		
	C2	Sqm	-6	0.40		3.00	-7.20		
	Lintel beam throughout								
	Long direction	Cum	-1	10.93		0.20	-2.19		
		Cum	-1	10.89		0.20	-2.18		
	Short direction	Cum	-2	4.92		0.20	-1.97		
	Basic rate							912.00	
	Add lift charges for First Floor							60.00	
	Sub total							972.00	
	Area weightage 8%							77.76	
	Total						**131.77**	**1049.76**	**138325.83**
	Terrace floor								
	Parapet walls								
	Ambedkar Colony Anganawadi								
	Long direction	Sqm	2	5.65		1.50	16.95		
		Sqm	1	1.85		1.50	2.78		
	Short direction	Sqm	2	4.99		1.50	14.98		
		Sqm	1	1.29		1.50	1.94		
	Allasandra Anganawadi								
	Parapet walls								
	Long direction	Sqm	2	11.85		1.50	35.55		
	Short direction	Sqm	2	5.00		1.50	15.00		
	Basic rate							912.00	
	Add lift charges for First Floor							120.00	
	Sub total							1032.00	
	Area weightage 8%							82.56	
	Total						**87.20**	**1114.56**	**97187.40**
27	KSRB15-3.8 : Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners. wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications Pg No. 116,Item No.15.16								
	External Plastering								
	Ground Floor								
	Ambedkar Colony Anganawadi								
	Long direction	Sqm	2	6.65		3.60	47.91		
	Short direction	Sqm	2	5.39		3.60	38.84		
	Chejja Plastering						0.00		
	W - top	Sqm	3	1.50	0.60		2.70		
	W - bottom	Sqm	3	1.50	0.60		2.70		
	W - sides	Sqm	3	2.70		0.10	0.81		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Deduction								
	D	Sqm	-1	1.20		2.10	-2.52		
	W	Sqm	-3	1.50		1.50	-6.75		
	V	Sqm	-1	0.60		0.75	-0.45		
	Kanakanagara Govt school								
	Long direction	Sqm	2	26.58		3.60	191.38		
	Short direction	Sqm	2	5.40		3.60	38.88		
	Chejja Plastering								
	W - top	Sqm	8	1.50	0.60		7.20		
	W - bottom	Sqm	8	1.50	0.60		7.20		
	W - sides	Sqm	8	2.70		0.10	2.16		
	Deduction								
	D	Sqm	-4	1.20		2.10	-10.08		
	W	Sqm	-11	1.50		1.50	-24.75		
	V	Sqm	-1	0.60		0.75	-0.45		
	Basic rate							261.00	
	Area weightage 8%							20.88	
	Total						**294.77**	**281.88**	**83090.22**
	First Floor								
	Ambedkar Colony Anganawadi								
	Long direction	Sqm	2	5.65		3.60	40.68		
		Sqm	1	1.85		1.50	2.78		
	Short direction	Sqm	2	5.39		3.60	38.84		
		Sqm	1	1.29		1.50	1.94		
	Chejja Plastering								
	W - top	Sqm	2	1.50	0.60		1.80		
	W - bottom	Sqm	2	1.50	0.60		1.80		
	W - sides	Sqm	2	2.70		0.10	0.54		
	Deduction								
	D	Sqm	-1	1.20		2.10	-2.52		
	W	Sqm	-2	1.50		1.50	-4.50		
	Terrace Floor								
	Parapet walls								
	Long direction	Cum	2	5.65		1.50	16.95		
		Cum	1	1.85		1.50	2.78		
	Short direction	Cum	2	4.99		1.50	14.98		
		Cum	1	1.29		1.50	1.94		
	Allasandra Anganawadi								
	long direction	Sqm	2	11.85		3.60	85.32		
	Short direction	Sqm	2	5.40		3.60	38.88		
	Chejja Plastering								
	W - top	Sqm	5	1.50	0.60		4.5		
	W - bottom	Sqm	5	1.50	0.60		4.5		
	W - sides	Sqm	5	2.70		0.10	1.35		
	Deduction								
	D	Sqm	-2	1.20		2.10	-5.04		
	W	Sqm	-5	1.50		1.50	-11.25		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Terrace Floor								
	Parapet walls								
	Long direction	Cum	2	11.85		1.50	35.55		
	Short direction	Cum	2	5.00		1.50	15.00		
	Basic rate							261.00	
	Add Scaffolding charges for First Floor							12.00	
	sub total							273.00	
	Area weightage 8%							21.84	
	Total						**286.81**	**294.84**	**84563.30**
28	KSRB 15.3.2 : Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications .Pg No. 115 Item No.15.10								
	Internal Plastering								
	Ground Floor								
	Ambedkar Colony Anganawadi								
	Anganawadi	Sqm	1	17.31		3.45	59.71		
	Toilet	Sqm	1	8.60		1.35	11.61		
	Kitchen	Sqm	1	10.60		3.45	36.57		
	Deduction								
	D	Sqm	-1	1.20		2.10	-2.52		
	D1	Sqm	-1	0.90		2.10	-1.89		
	D2	Sqm	-1	0.75		2.10	-1.58		
	W	Sqm	-3	1.50		1.50	-6.75		
	V	Sqm	-1	0.60		0.75	-0.45		
	Kanakanagara Govt school								
	Classroom 1	Sqm	1	24.00		3.45	82.80		
	Classroom 2	Sqm	1	24.00		3.45	82.80		
	Anganawadi	Sqm	1	18.80		3.45	64.86		
	Kitchen	Sqm	1	10.60		3.45	36.57		
	Toilet	Sqm	1	8.60		1.35	11.61		
	Room	Sqm	1	21.26		3.45	73.35		
	Deduction								
	D	Sqm	-4	1.20		2.10	-10.08		
	W	Sqm	-11	1.50		1.50	-24.75		
	V	Sqm	-1	0.60		0.75	-0.45		
	Basic rate							204.00	
	Area weightage 8%							16.32	
	Total						**411.41**	**220.32**	**90642.86**
	First Floor								
	Ambedkar Colony Anganawadi								
	Room	Sqm	1	20.50		3.45	70.73		
	Deduction								
	D	Sqm	-1	1.20		2.10	-2.52		
	W	Sqm	-2	1.50		1.50	-4.50		
	Allasandra Anganawadi								
	Room 1	Sqm	1	21.40		3.45	73.83		
	Room 2	Sqm	1	21.10		3.45	72.80		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Deduction								
	D	Sqm	-2	1.20		2.10	-5.04		
	W	Sqm	-5	1.50		1.50	-11.25		
	Basic rate							204.00	
	Add lift charges for First Floor							6.00	
	Sub total							210.00	
	Area weightage 8%							16.80	
	Total						**194.04**	**226.80**	**44008.27**
	Long direction	Sqm	2	5.65		1.50	16.95		
		Sqm	1	1.85		1.50	2.78		
	Short direction	Sqm	2	4.99		1.50	14.98		
		Sqm	1	1.20		1.50	1.80		
	Allasandra Anganawadi								
	Room 1	Sqm	1	21.40		1.50	32.10		
	Room 2	Sqm	1	21.10		1.50	31.65		
	Basic rate							204.00	
	Add lift charges for First Floor							12.00	
	Sub total							216.00	
	Area weightage 8%							17.28	
	Total						**100.26**	**233.28**	**23387.95**
29	KSRB15-5.1: Providing rough cement plastering 15mm thick in single coat with cement mortar 1:4 to brick masonry for base of dadooing works with sand of approved quality, providing and removing scaffolding, inclding cost of materials, labour, curing complete as per specifications , Pg.No-117, Item No-15.30.								
	Ground Floor								
	Ambedkar Colony Anganawadi								
	Toilet	Sqm	1	8.60		2.10	18.06		
	Deduction								
	D2	Sqm	-1	0.75		2.10	-1.575		
	Kanakanagara Govt school								
	Toilet	Sqm	1	8.60		2.10	18.06		
	Deduction								
	D2	Sqm	-1	0.75		2.10	-1.575		
	Basic rate							205.00	
	Area weightage 8%							16.40	
	Total						**32.97**	**221.40**	**7299.56**
30	KSRB15-3-14 : Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to ceiling including rounding off corners wherever required smooth rendering, : including Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Pg No 116, Item No15.22								
	Ground Floor								
	Ambedkar Colony Anganawadi								
	Ceiling								
	Anganawadi	Sqm	1	3.65	5.10		18.64		
	Toilet	Sqm	1	2.40	1.90		4.56		
	Kitchen	Sqm	1	2.40	2.90		6.96		
	Beam sides								
	Long direction	Sqm	2	5.00	0.20		2.00		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Kanakanagara Govt school								
	Ceiling								
	Classroom 1	Sqm	1	7.00	5.00		35.00		
	Classroom 2	Sqm	1	7.00	5.00		35.00		
	Anganawadi	Sqm	1	4.40	5.00		22.00		
	Room	Sqm	1	4.58	6.05		27.71		
	Kitchen	Sqm	1	2.40	2.90		6.96		
	Toilet	Sqm	1	2.40	1.90		4.56		
	Beam sides								
	Long direction	Sqm	6	5.00	0.30		9.00		
	First Floor								
	Ambedkar Colony Anganawadi								
	Ceiling								
	Room	Sqm	1	5.25	5.00		26.25		
	Beam sides								
	Long direction	Sqm	2	5.00	0.20		2.00		
	Allasandra Anganawadi								
	Ceiling								
	Room 1	Sqm	1	5.70	5.00		28.50		
	Room 2	Sqm	1	5.55	5.00		27.75		
	Beams - sides								
	long direction	Sqm	4	5.00	0.30		6.00		
	Basic rate							225.00	
	Area weightage 8%							18.00	
	Total						**262.88**	**243.00**	**63880.91**
31	providing applying two coats of wall putty to **inside plastered walls and ceiling** using white cement putty . Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of alll mateerial cost of labour and scaffolding etc. ,complete as per specification. Pg No.128 Item No.15.106								
	for Internal plastered portions	Sqm	1	same as Internal plastering			705.71		
	Ceiling	Sqm	1	same as plastering for beam + ceiling			262.88		
	Basic rate							78.00	
	Area weightage 8%							6.24	
	Total						**968.60**	**84.24**	**81594.53**
32	KSRB 15-15.1 : Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - with primer. PgNo. 119, I.No. 15.51.2								
	Internal painting	Sqm		Same as Internal plastering			705.71		
	Basic rate							90.00	
	Area weightage 8%							7.2	
	Total						**705.71**	**97.20**	**68595.17**

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
33	KSRB 15-14.1 : Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications page no117 item no 15.49.1 . KSRB 15-14.1 : Extra over Item 15-14.1 for applying oil bound washable distemper on ceiling and / or sloping roof as per specifications.Pg No 119,Item No15.49.2								
	Ceiling	Sqm	Same as plastering for beam and ceiling				262.88		
	Basic rate							110.00	
	Extra over Item 15-14.1							8.00	
	Sub total							118.00	
	Area weightage 8%							9.44	
	Total						**262.88**	**127.44**	**33501.99**
34	KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - with primer. (P. No. 120, I.No. 15.53 of SR 2018-19).								
	External painting								
	Ground Floor	Sqm	Same as External plastering +chajja plastering				294.77		
	Basic rate							102.00	
	Area weightage 8%							8.16	
	Total						**294.77**	**110.16**	**32472.04**
	First Floor	Sqm	Same as External plastering +chajja plastering				286.81		
	Basic Rate							102.00	
	An additional rate of Rs.4.00/sqm per floor for lift charges and Rs.4.00/sqm per floor for scaffolding charges may be added for every additional floor							8.00	
	sub total							110.00	
	Area weightage 8%							8.80	
	Total						**286.81**	**118.80**	**34073.12**
35	KSRB 14.9-1: Providing and laying M-15 cement concrete flooring, 50 mm thick with metallic concrete hardner topping , under layer of 35mm thick m-15 cement concrete using broken granite metal of 20mm and down size, and top layer 50mm thick of metallic cement hardner consisting of mix 1:2 (1 cement hardner mix : 2 granite metal 10mm nominal size) by volume, with which metallic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement and 1 part of metallic floor hardening compound of approved quality by wt) , including finishing cost of materials, labour, curing, complete as per specifications Specification No. KBS 14.4, Pg No 104,Item No 14.13								
	Ground Floor								
	Ambedkar Colony Anganawadi								
	Anganawadi	Sqm	1	3.65	5.00		18.27		
	Toilet	Sqm	1	2.40	1.90		4.56		
	Kitchen	Sqm	1	2.40	2.90		6.96		
	Kanakanagara Govt school								
	Classroom 1	Sqm	1	7.00	5.00		35.00		
	Classroom 2	Sqm	1	7.00	5.00		35.00		
	Anganawadi	Sqm	1	4.40	5.00		22.00		
	Room	Sqm	1	4.58	6.05		27.71		
	Basic rate							631.00	
	Area weightage 8%							50.48	

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Total								
	First Floor						**149.50**	**681.48**	**101880.58**
	Ambedkar Colony Anganawadi								
	Room	Sqm	1	5.25	5.00		26.25		
	Allasandra Anganawadi								
	Room 1	Sqm	1	5.70	5.00		28.50		
	Room 2	Sqm	1	5.55	5.00		27.75		
	Basic rate							631.00	
	An additional rate of Rs.2/sqm per floor may be added for every additional floor							2.00	
	Sub total							633.00	
	Area weightage 8%							50.64	
	Total						**82.50**	**683.64**	**56400.30**
36	Providing and fixing Vetrified glazed tiles of approved make quality & colour of size 600x600x 10mm thick fixed on bed of 12mm thick cement mortar for flooring ,skirting and jointed with neat cement slurry mixed with pigment to match shade of tiles, including providing spacers at required interval and removing stains etc including Cost of all materials mortar labour etc complete as per specificationPg no. 109 Item No.14.45.1								
	Ground Floor								
	Ambedkar Colony Anganawadi								
	Flooring								
	Anganawadi	Sqm	1	3.65	5.00		18.27		
	Skirting	Sqm	1	17.31		0.15	2.60		
	Kitchen	Sqm	1	2.40	2.90		6.96		
	Skirting	Sqm	1	10.60		0.15	1.59		
	Deduction								
	D	Sqm	-1	1.20		0.15	-0.18		
	D1	Sqm	-1	1.20		0.15	-0.18		
	Basic Rate							976.00	
	Area weightage 8%							78.08	
	Total						**29.06**	**1054.08**	**30627.56**
	First Floor								
	Ambedkar Colony Anganawadi								
	Flooring								
	Room	Sqm	1	5.25	5.00		26.25		
	Skirting	Sqm	1	20.50		0.15	3.08		
	Deduction								
	D	Sqm	-1	1.20		0.15	-0.18		
	Allasandra Anganawadi								
	Flooring								
	Room 1	Sqm	1	5.70	5.00		28.50		
	Skirting	Sqm	1	21.40		0.15	3.21		
	Room 2	Sqm	1	5.55	5.00		27.75		
	Skirting	Sqm	1	21.10		0.15	3.17		
	Deduction								
	D	Sqm	-1	1.20		0.15	-0.18		
	Basic Rate							976.00	
	An additional rate of Rs.2/sqm per floor may be added for every							2.00	
	sub total							978.00	
	Area weightage 8%							78.24	
	Total						**91.59**	**1056.24**	**96741.02**

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
37	KSRB 14.14-5: Providing Ceramic tiles of approved make,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications. - for Ceramic Tiles of size 30x30cms 6mm thick								
	Ground Floor								
	Ambedkar Colony Anganawadi								
	Toilet	Sqm	1	2.40	1.90		4.56		
	Kanakanagara Govt school								
	Toilet	Sqm	1	2.40	1.90		4.56		
	Basic Rate							1210.00	
	Area weightage 8%							96.8	
	Total						9.12	1306.80	11918.02
38	KSRB 14-17.2 : Providing skirting, dado, rises of steps with colour glazed tiles 30X60 cms 6mm thick with border of size 30 x 10 cms on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. Specification No.KBS 14.16, 14.17 Pg No 108,Item No14.41.2								
	Wall Cladding								
	Ground Floor								
	Ambedkar Colony Anganawadi								
	Toilet	Sqm	1	8.60		2.10	18.06		
	Kanakanagara Govt school								
	Toilet	Sqm	1	8.60		2.10	18.06		
	Basic Rate							1632.00	
	Area weightage 8%							130.56	
	Total						36.12	1762.56	63663.67
39	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per the specification. page no 69 item no 10.5.1								
	Ground Floor								
	Ambedkar Colony Anganawadi								
	Slab	Sqm	1	6.65	5.39		35.89		
	Kanakanagara Govt school								
	Slab	Sqm	1	21.83	7.20		157.18		
	Room	Sqm	1	4.58	6.45		29.54		
	First Floor								
	Ambedkar Colony Anganawadi								
	Slab	Sqm	1	5.65	5.39		30.45		
	Allasandra Anganawadi								
	Slab	Sqm	1	11.85	5.40		63.99		
	Basic Rate							526.00	
	Area weightage 8%							42.08	
	Total						317.05	568.08	180111.00

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
40	KSRB 9-27.1 : Fixing of door frames in an existing opening including embedding frame in floor and walls after cutting masonary for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and downsize required and disposal of the debries with lead upto 50 m. including cost of materials, labour, complete as per specifications. Pg No 60,Item No9.80								
Ground Floor									
Ambedkar Colony Anganawadi									
D	Nos	1							
D1	Nos	1					1		
Kanakanagara Govt school							1		
D	Nos	4							
D1	Nos	1					4		
Basic rate							1		
Area weightage 8%								1366.00	
Total								109.28	
First Floor							**7.00**	**1475.28**	**10326.96**
Ambedkar Colony Anganawadi									
D	Nos	1					1		
Allasandra Anganawadi									
D	Nos	2					2		
Basic rate								1366.00	
An additional rate of Rs.2/sqm per floor may be added for every								4.00	
sub total								1370.00	
Area weightage 8%								109.28	
Total							**3.00**	**1479.28**	**4437.84**
41	KSRB 9.4-2: Providing Honne wood frames of doors, windows, clerestory windows,ventilators and other frames , wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps),but including cost of materials, labour, HOM of machineries complete as per specifications. Specification No. KBS 9.33 Pg No 53,Item No9.11								
Ground Floor									
Ambedkar Colony Anganawadi									
D	Cum	1	6.60	0.13	0.15	0.12			
D1	Cum	1	6.00	0.13	0.15	0.11			
Kanakanagara Govt school									
D	Cum	4	6.60	0.13	0.15	0.50			
D1	Cum	1	6.00	0.13	0.15	0.11			
Basic rate								87604.00	
Area weightage 8%								7008.32	
Total							**0.84**	**94612.3**	**79829.15**
First Floor									
Ambedkar Colony Anganawadi									
D	Cum	1	6.60	0.13	0.15	0.12			
Allasandra Anganawadi									
D	Cum	2	6.60	0.13	0.15	0.25			
Basic rate								87604.00	
Area weightage 8%								7008.32	
Total							**0.37**	**94612.3**	**35124.82**

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
42	Providing and fixing 65mmx90mm GRP Doorframe fabricated using E-Glass Chopped Strand Mat (CSM). U.V-stabilized Isopthalic Gelcoat and Isopthalic resin. The thickness of the GRP skin shall not be less than 2.0 mm. The doorframe consists of four segmens, which are provided with plug-in-socket arrangement in-situ in the mould. The segments are plugged in and are joined together by means of screws. The GRP frame shall be provided with wooden reinforcement of 6 locations fro high screw holding capacity for fixing metallic hold fast and shall be consolidated by filling with medium density foam/Plaster with fibre reinforcement. Six Numbers of 260mmx25mmx5mm size S shaped M.S. flat hold fast shall be provided with the frame. Page No. 63, Item No. 9.95								
	Ground Floor								
	Ambedkar Colony Anganawadi								
	D2	m	1	5.70					
	Kanakanagara Govt school						5.70		
	D2	m	1	5.70					
	Basic rate						5.70		
	Area weightage 8%							450.00	
	Total							36.00	
							11.40	**486.00**	**5540.40**
43	KSRB 9.5-2 : Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures) Specification No. KBS 9.34, Pg No. 53, Item No. 9.15								
	Ground Floor								
	Ambedkar Colony Anganawadi								
	D1	Sqm	1	1.20		2.10	2.52		
	D2	Sqm	1	0.90		2.10	1.89		
	Kanakanagara Govt school								
	D	Sqm	4	1.20		2.10	10.08		
	D1	Sqm	1	0.90		2.10	1.89		
	Basic rate							4722.00	
	Area weightage 8%							377.76	
	Total						**16.38**	**5099.76**	**83534.07**
	First Floor								
	Ambedkar Colony Anganawadi								
	D	Sqm	1	1.20		2.10	2.52		
	Allasandra Anganawadi								
	D	Sqm	2	1.20		2.10	5.04		
	Basic rate							4722.00	
	An additional rate of Rs.4.00/sqm per floor may be added for every							4.00	
	sub total							4726.00	
	Area weightage 8%							378.08	
	Total						**7.56**	**5104.1**	**38586.84**

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
44	Providing and fixing factory made single leaf rigid GRP Sandwich composite door shutter of 40 mm thick, laminated with two GRP skins with wood grain finish, fabricated using U.V-stabilized Isopthalic Gelcoat and one layer of 450 gns E-Glass Chopped Strand Mat (CSM), impregnated with orthopthalic polyester resin. The thickness of the skins shall not be less than 1.5mm. Expanded Polystyrene (EPS) structural foam panel of 37mm thickness and a density of 20 Kg/m3 shall be used as core material. Wooden reinforcements made of Seasoned Salwood block of cross section not lessthan 36mmx32mmand also necessary salwood reinforcements for fixing the metal fittings such as tower bolts, aldrops, handles, etc. shall be provided. A structural adhesive compatible with EPS foam shall be used for bonding the core material, the salwood reinforement and the skins. The material and process for manufacturing the door shutters shall confirm to RV-TIFAC Composites Design Centre Standards and specifications and the door shutters tested in confiramation to IS 4020-1994. The finish of shutter will be plain coulur White/IVORY/Beige/Light Grey or any other colour using high quality pigments. Excluding cost of fixtures and inclusive of supply of shutters to respective work spot. P.No.62, I.No.9.94								
	Ground Floor								
	Anganawadi building								
	D2	Sqm	1	0.75		2.10	1.58		
	Kanakanagara Govt school								
	D2	Sqm	1	0.75		2.10	1.58		
	Basic rate							3800.00	
	Area weightage 8%							304.00	
	Total						**3.15**	**4104.0**	**12927.60**
45	Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications. Pg no:121.Item no:15.60.1								
	Ground Floor								
	Ambedkar Colony Anganawadi								
	D	Sqm	1	1.20		2.10	2.52		
	D1	Sqm	1	0.90		2.10	1.89		
	Kanakanagara Govt school								
	D	Sqm	4	1.20		2.10	10.08		
	D1	Sqm	1	0.90		2.10	1.89		
	First Floor								
	Ambedkar Colony Anganawadi								
	D	Sqm	1	1.20		2.10	2.52		
	Allasandra Anganawadi								
	D	Sqm	2	1.20		2.10	5.04		
	Basic rate							97.00	
	Area weightage 8%							7.76	
	Total						**23.94**	**104.76**	**2507.95**

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
46	KSRB 7.8 : Providing and fixing in position in cement concrete 1:3:6 steel glazed windows and ventilators side hung/top hung 2/3 openable 1/3 fixed as per approved drawings using Z angles of 25x33x3mm, weighing 1.419 kg/m both for outer and inner frames and central mullion section of size 25x46x3mm, weighing 2.28kg/m all duly providing T section 19x19x3mm weighing 0.839 kg/m for glazing of windows, not more than 34 cms. c to c including providing and fixing 4mm. thick reeded glass with teakwood beading of required size, all steel sections should confirm to I.S 7452:1990, 4nos. of holdfasts of approved size, section should be cut to length welded and grinded electrically subdividing frames of unit shall be tenonned and revetted into the frames electrically. All the steel surface shall be throughly cleaned free of rust and painted with one coat of anti-corrosive paint and finishing two coats of ready mix paint of approved colour and make including cost of materials, fixtures, labour charges and HOM of machinery complete as per specifications.									
	Ground floor								
	Ambedkar Colony Anganawadi								
	W	Sqm	3	1.50	1.50		6.75		
	V	Sqm	1	0.60	0.75		0.45		
	Kanakanagara Govt school								
	W	Sqm	11	1.50	1.50		24.75		
	V	Sqm	1	0.60	0.75		0.45		
	First floor								
	Ambedkar Colony Anganawadi								
	W	Sqm	2	1.50	1.50		4.50		
	Allasandra Anganawadi								
	W	Sqm	5	1.50	1.50		11.25		
	Basic Rate							3328.00	
	Area weightage 8%							266.24	
	Total						**48.15**	**3594.24**	**173062.66**
47	KSRB 7.9 : Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approve design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications.Specification No. KBS 7.12 Pg No.34 Item No.7.9								
	Ground Floor								
	Ambedkar Colony Anganawadi								
	W	Kg	3			47.25	141.75		
				21kg per sqm 1.5*1.5*21=47.25					
	V	Kg	1			9.45	9.45		
				21kg per sqm 0.6*0.75*21=9.45					
	Kanakanagara Govt school								
	W	Kg	11			47.25	519.75		
				21kg per sqm 1.5*1.5*21=47.25					
	V	Kg	1			9.45	9.45		
				21kg per sqm 0.6*0.75*21=9.45					
	Basic Rate							95.00	
	Area weightage 8%							7.6	
	Total						**680.40**	**102.6**	**69809.04**

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	First Floor								
	Ambedkar Colony Anganawadi								
	W	Kg	2			47.25	94.50		
				21kg per sqm 1.5*1.5*21=47.25					
	Allasandra Anganawadi								
	W	Kg	5			47.25	236.25		
				21kg per sqm 1.5*1.5*21=47.25					
	Basic Rate							95.00	
	An additional rate of Rs.6/sqm per floor may be added for every							6.00	
	sub total							101.00	
	Area weightage 8%							8.08	
	Total						**330.75**	**109.08**	**36078.21**
48	KSRB 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. Pg no:123.Item no:15.74								
	For window and ventilators	Sqm	1	window qty+ventilator qty			48.15		
	Painting for Grill Works	Sqm		window qty			47.25		
	Basic rate							95.00	
	Area weightage 8%							7.60	
	Total						**95.40**	**102.60**	**9788.04**
49	Providing and fixing Stainless steel staircase raling as per Chief Architect Drawing No. 11520/ HRSC with hand rail 50mm dia 16 guage hollow pipe welded to vertical hollow 50mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals, and 5 Nos of 25mm dia. Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour, HOM of machineries and electrical charges, etc., complete as per specifications. Pg 45 Item no.7.38								
	Ground Floor								
	Ambedkar Colony Anganawadi								
	Flight 1	Sqm	2	3.42		0.90	6.16		
	Flight 2	Sqm	2	4.03		0.90	7.25		
	First Floor								
	Ambedkar Colony Anganawadi								
	Flight 1	Sqm	2	3.42		0.90	6.16		
	Flight 2	Sqm	2	4.03		0.90	7.25		
	Allasandra Anganawadi								
	Flight 1	Sqm	2	5.43		0.90	9.77		
	Flight 2	Sqm	2	2.41		0.90	4.34		
	Basic Rate							6021.00	
	Area weightage 8%							481.68	
	Total						**40.93**	**6502.68**	**266167.70**

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
50	KSRRB M300-53 Construction of Embankment with Material Gravel/ Murrum. KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) MORTH Specification No. 305								
	Embankment								
	Ambedkar Colony Anganawadi								
	Long direction	Cum	2	7.10	4.70	0.45	30.04		
	Kanakanagara Govt school								
	Long direction	Cum	2	24.98	5.00	0.45	112.41		
	Short direction	Cum	2	21.80	1.80	0.45	35.32		
	Basic Rate							325.00	
	Area weightage 8%							26.00	
	Total						**30.04**	**351.00**	**10543.07**
51	PROVIDING TRAPEZOIDAL PROFILED SHEET Providing and installing of pre painted Galvolume iron Trapezoidal profiled sheet of approved make 1060 mm width (1000 mm cover width), 28-30 mm crest height with crest distance of 200 mm c/c with 2 ribs at the centre for stiffening. The total coated thickness (TCT) of the sheet will be 0.47 mm +/- 0.02 mm tolerance Zinc-Alu Alloy coating AZ150 gsm as per ASTM 1397/A755-550 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 20-22 microns using self drilling/self tapping screws of 25 mm length, to be fixed over the existing purlins, rafters, channels and trusses.								
	Ground Floor								
	Allasandra Govt school								
	Galvalume sheet	Sqm	1	18.40	5.40		99.36		
	Basic rate							**688.00**	
	Area weightage 8%							**55.04**	
	Total						**99.36**	**743.04**	**73828.45**
52	Fabricating, supplying and erecting M.S. Tubular trusses of all spans as per approved drawing and design with prefabricated steel applications using quality material and are durable,reliable and corrosion and abrasion resistanrt.Welding shall confirm,to latest structural welding code.Quality shall be on various parameters like shape,size,design gauge and polish.The entire trusses is anchored in RCC column by using 4 nos of M.S. pipes and welding wherever necessary and applying one coat of redoxide primer coat to all members of including cost of all materials,labour charges, and hire charges of machineries for cutting, welding,grinding and erection equipments, with all lead and lift,transportation,etc, complete as per specification								
	Ground Floor								
	Allasandra Govt school								
	Truss	Kg	1			3206.86	3206.864		
				[Assume Steel = 3Kg/sft]					
				18.4x5.4x3.28^2x3=3206.86					
	Basic rate							**111.00**	
	Area weightage 8%							**8.88**	
	Total						**3206.86**	**119.88**	**384438.84**
								Total Amount	**8500795.19**

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE PROJECT: ADDITIONAL AND ALTERATION OF SCHOOL BUILDINGS AT KANAKANAGARA, ALLALASANDRA AND AMBEDKAR NAGARA IN WARD NO - 04

3.Electrical Works

Sl.no	SR book page no.	SR book item no.	Description of Works	Unit	Qty	SR Rate Rs.Ps	Amount, Rs.Ps
			INTERNAL WIRING SYSTEM				
53			Point wiring using copper wire without switch Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using 2x1.5Sqmm (Phase & Neutral) & 1x1.0 sqmm (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet.				
a	Pg 5	Item 2.1.1	Short point upto 3m	Point	8	200.00	1600
b	Pg 5	Item 2.1.2	Medium point above 3m - 6m	Point	8	275.00	2200
54	Pg 2	Item 1.2	Concealed Conduit System - Supplying heavy gauge PVC conduit pipe ……mm dia .....mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of unction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary				
b	Pg 2	Item 1.2.2	25mm dia, 2mm thick	Rm	45	53.00	2385
55	pg 2	item 1.3	Groove cutting : Supplying heavy gauge conduit PVC 25/2mm of s thick heavy with suitable size bend , metal junction boxes, adhesive pastes etc, by groove cutting in a wall and fixing by bracing U or J hooks and cement plastering up to the surface and run with 18SWG GI fish wire run throughout the conduit where ever necessary.				
a	Pg 2	Item 1.3.1	19/20mm dia, 2mm thick	Rm	10	51.00	510
b	Pg 2	Item 1.3.2	25mm dia, 2mm thick	Rm	10	54.00	540
56	pg 9	item 3.4	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall				
a	Pg 9	item 3.4.1	1 - 3 Way	Each	8	95.00	760
b	Pg 9	item 3.4.2	4 - 5 Way	Each	8	105.00	840
57	pg 9	item 3.1	Supplying 6A flush type socket and 6 amp flush type SP switch either surface/flush mountinh in existing gang box or in 4mm thik plastic sheet and fixing over a flush mounted wooden box and wiring using necessary capacity wire as required as per IS 1293 and IS 3654 .				
a	Pg 9	Item 3.1.2	6AMP 3/5 and Switch	No	10	132.00	1320
58	pg 9	item 3.2	Supplying and mounting 2 Nos, of 2 Way 6amps flush type switches either surface/flush mounted on existing gang box or in 4mm thick plastic sheet and mounted on a flusg mounted wooden box and wiring as per IS 1293	Each	10	150.00	1500
59	pg 15	item 3.3	Supply and fixing of bakelite D.P /socket/switch with/ without neon indicator over existing wood board or flush mounting in plastic plates/nitches as per IS 1293 and IS 3854				
a		3.3.4	16Amps Combined switch and socket with indication	No	10	194.00	1940
b		3.3.5	Electronic stepped regulator.	No	10	150.00	1500

60			Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments				
a	Pg 6	Item 2.3.2	1.5sqmm	Rm	45	20.05	902.25
b	Pg 6	Item 2.3.3	2.5sqmm	Rm	8	32.00	256
57	Pg 3	Item 1.12	Supplying and fixing Metal Fan Box with Round Hook	Each	8	85.00	680
			LIGHT FIXTURES				
61	Pg 69	item 12.4.2	Suppiying and fixing of slim box Fitting ,made out of CRCA sheet metal body with locking type holder completely wired Excluding Ballast &Flouresent Tube. 1X4' Tube light Fitting	Nos	12	300.00	3600
62	Pg 46	Item 7.3	Supplying capacitor type ceiling fan complete with down rod blades shackle, canopies etc, for operation on 230 volts, 50 cycles. single phase AC supply conforming to ISS-374-1979 and with double ball bearing system				
a	Pg 46	item 7.3.1	48" sweep (1200mm)	Each	12	2090.00	25080
						Electrical Amount	**45613.25**
						Demolition Amount	**199816.65**
						Total Building Amount	**8500795.19**
						Sub Total cost	**8746225.10**
						GST Charges (12% of estimated cost)	**1049547.01**
						Preparation of DPR and Architectural ,Structural Consultation fee(1% of estimated cost	**100000**
						Project management Consultancy Charges(1% of estimated cost)	**100000**
						Miscellaneous and Rounding off	**4227.89**
						Grand Total	**10000000.00**

Certificate:

1) The work spot was inspected and work is found to be necessary
2) The area comes with the Bruhat Bangalore Mahanagara Palike limits
3) The rates adopted based on the KPWD Electrical SR 2014-15, BWSSB SR 2017-18, KPWD SR, Bangalore Circle for years 2018-19.
4) The provisions made in the estimate are necessary and essential
5) The estimate is based on C.S.R of 2018-2019,Issue rates and Data Rates.

Assistant Engineer
BBMP

Assistant Executive Engineer
BBMP

Executive Engineer
BBMP

Administrative Approval

Accorded For .100.00 lakhs
Head of A/C.....
CER NO :.....68..... 13/12/2021

TA DE (W/K)

Technical Sanction

Accorded For 100.00 lakhs.
Head of A/C.....
CER NO :.....71..... Dt.13/12/2021